IN THE CLAIMS:

Please amend claims 1, 11, 13, 22-24, and 33 as follows:

1.   (Amended) A software analysis apparatus comprising:

program analysis information generation means for automatically generating program analysis information required for analyzing a computer program;

program analysis information storage means for classifying the program analysis information generated by said program analysis information generation means in an arbitrary unit or at an arbitrary timing, and sequentially storing the program analysis information in a predetermined data recording medium; and

program analysis means for executing program analysis by reading out the program analysis information from said data recording medium.

11.   (Amended) A software analysis apparatus for generating program analysis information required for analyzing a computer program, comprising:

means for hierarchically registering the generated program analysis information in a database in units of analysis objectives;

means for implementing analysis of the hierarchically registered program analysis information by reading out the program analysis information already registered in a predetermined layer in correspondence with an analysis objective upon analyzing the computer program.
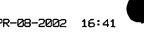
13.   (Amended) A software analysis method, comprising:

automatically generating program analysis information required for analyzing a computer program;

classifying the program analysis information in an arbitrary unit or at an arbitrary timing;

sequentially storing the program analysis information in a predetermined data recording medium; and

executing program analysis by reading out the program analysis information from said data recording medium.
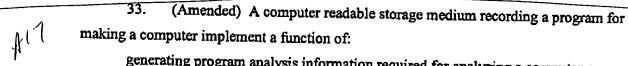
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22. (Amended) A software analysis method for generating program analysis information required for analyzing a computer program, comprising:

hierarchically registering the generated program analysis information in a database in units of analysis objectives, and

implementing analysis by reading out the program analysis information already registered in a predetermined layer in correspondence with an analysis objective upon analyzing the computer program.

23. (Amended) A method according to claim 22, wherein the database is an object-oriented database.

24. (Amended) A computer readable recording medium recording a computer program for making a computer implement:

a program analysis information generation function of automatically generating program analysis information required for analyzing a computer program;

a program analysis information classification function of classifying the program analysis information generated by the program analysis information generation function in an arbitrary unit or at an arbitrary timing;

a program analysis information storage function of sequentially storing the classified program analysis information generated by the program analysis information classification function in a predetermined data recording medium; and

a program analysis function of executing program analysis by reading out the classified program analysis information from said data recording medium.

33. (Amended) A computer readable storage medium recording a program for making a computer implement a function of:

generating program analysis information required for analyzing a computer program,

hierarchically registering the generated program analysis information in a database in units of analysis objectives, and

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implementing analysis by reading out the program analysis information already registered in a predetermined layer in correspondence with an analysis objective upon analyzing the computer program.

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Please add the following new claims 35-37:

35.   (New) The apparatus of claim 1, wherein said program analysis means analyzes where a given line in a source code of the computer program has an influence on the source code.

36.   (New) The method of claim 13, wherein said automatically generating program analysis information includes analyzing where a given line in a source code of the computer program has an influence on an execution of the source code.

37.   (New) The computer readable recording medium of claim 24, wherein the program analysis function includes a function of determining where a given line in a source code of the computer program has an influence on an execution of the source code.

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